



Port of San Diego

Eileen Maher Director, Environmental Conservation October 12, 2018

Port of San Diego

Jurisdiction

5 member cities

34 miles of waterfront

2,403 acres of land

3,535 acres of water

22 public parks

cargo terminals

cruise ship terminals

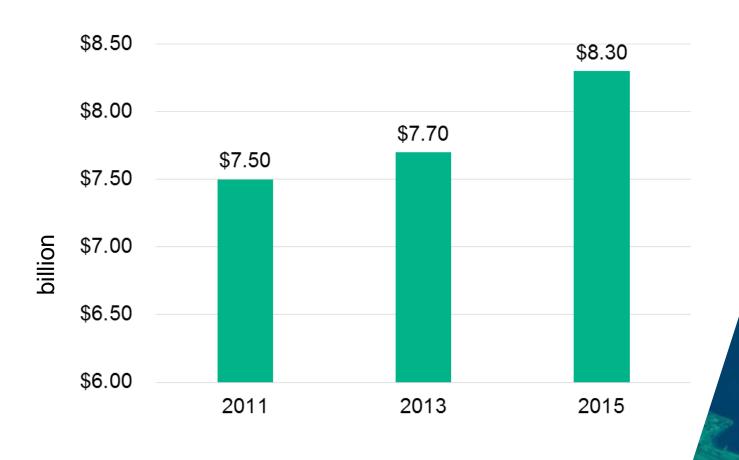
Port Tidelands

Submerged Tidelands





Regional Economic Role







Efficiency – Port Operations





Water Use Reductions

56%

Energy Use Reduction

31%

Costs Avoided

\$8 million



Seal Level Rise Ad-Hoc Planning Process





Sea Level Rise Ad-Hoc Committee

Members

- Department of Navy
- Center for Sustainable Energy
- BAE Systems
- Port Tenants Association
- San Diego State University
- University of California, San Diego
- Shelter Island Marina
- US Fish and Wildlife
- Environmental Health Coalition
- Southwest Wetlands Interpretative Association

Advisors

Scripps Institution of Oceanography
Dr. Julie Kalansky

United States Geological Survey
Dr. Juliette Finzi-Hart

ICF International
Dr. Robert Kay

Nexus Planning & Research
Dennis Larson



Sea Level Rise Ad-hoc Committee

2017

- Background on SLR Science and Coastal Modeling
- Vulnerability Assessment
- Identify assets to be analyzed
- Progress on Vulnerability Assessment
- Recommendations from the Ad Hoc Committee

2018

- New ad-hoc committee to review
- vulnerability study
- adaptive management strategies
- monitoring program



Memorandum of Agreement Coordinate on Sea Level Rise Planning

Port of San Diego &

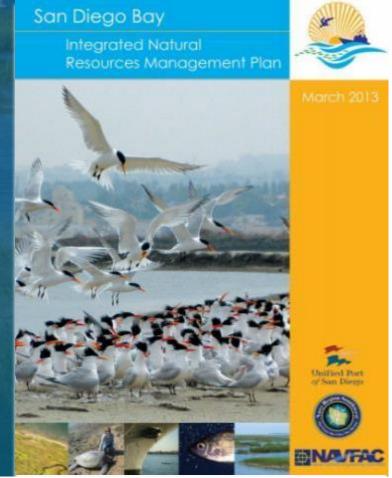
Commander, Navy Region Southwest





Port & Navy Partnerships

The Integrated Natural Resource
Management Plan sets forth a
coordinated plan for natural
resource management in San Diego
Bay.





Planning Initiatives

- Port is evaluating impacts of sea level rise pursuant to Assembly Bill 691.
- Planning for nature-based solutions to protect coastal resources.
- DOD has conducted over 700 assessments of flooding at coastal installations worldwide.
- Navy has forged partnerships with state and local governments to advance sea level rise planning.



Memorandum of Agreement

- First MOA between Navy and Port on the West Coast.
- Appoints qualified staff to:
 - Coordinate sea level rise planning initiatives.
 - Share sea level rise policies, assessments, and guidance.
 - Re-evaluate science every five years.
 - Identify complimentary adaptation strategies.
 - o Implement pilot projects as feasible.



Restoration & Enhancement Projects South San Diego Bay



Restoration & Enhancement Projects for resiliency South San Diego Bay

Restoration & Enhancement 280 acres

Pond 20

Living Shoreline





Restoration & Enhancement 280 acres















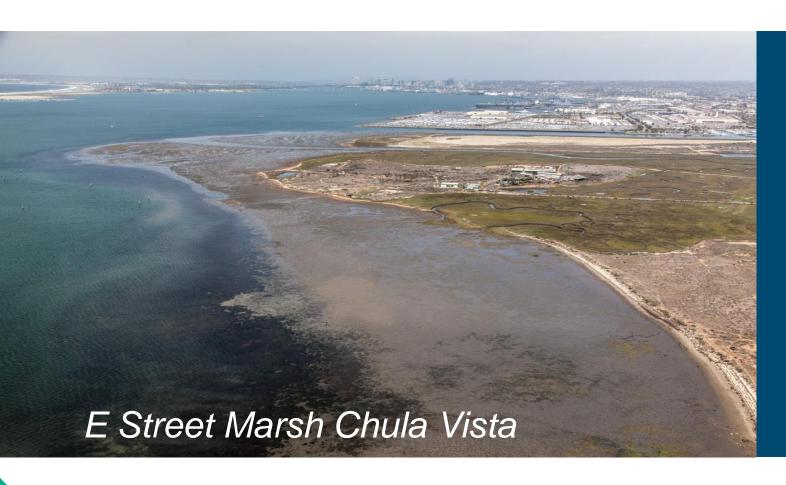




Native Oyster Reefs







- Climate change and sea level rise pose a threat to both developed coastal lands and remaining undeveloped coastal habitats
- Prevent large scale engineered armoring of shorelines
- Increase ecological value



Native Oyster Reefs

- Native oyster recruitment
- Unarmored shoreline
- Adjacent to marshland
- Moderate to high wave energy environment
- 2,300 linear feet of shoreline







Native Oyster Reefs

Resiliency for storm surge
Erosion protection for shoreline
Water Quality filtering by oysters

Status
90% Design
Need construction funding - \$500,000









Mitigation Banking



- 95 acres
- Former salt evaporation pond
- Coordinating mitigation bank with adjacent FWS restoration
- Create tidal wetlands



Mitigation Banking

- Public comments on Prospectus
 - August 2018
- EIR Notice of Preparation
 - in the Fall 2018
- Construction
 - Fall 2020







Questions / Discussion

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